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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/604,037	06/24/2003	Han-Chang Kang	REAP0005USA 1036		
27765	7590 05/12/2004		EXAMINER		
NAIPO (NORTH AMERICA INTERNATIONAL PATENT OFFICE)			LE, DINH THANH		
P.O. BOX 50 MERRIFIEL	06 .D, VA 22116	ART UNIT	PAPER NUMBER		
				DATE MAILED: 05/12/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	1	Applicat	ion No.	Applicant(s)	•			
Office Action Summary		10/604,0)37	KANG, HAN-CHAN	G .			
		Examine	r	Art Unit				
		DINH T.	LE	2816				
Period fo	The MAILING DATE of this commun or Reply	nication appears on th	e cover sheet with th	e correspondence add	ress			
A SH THE - Exte after - If the - If NO - Failu Any	ORTENED STATUTORY PERIOD F MAILING DATE OF THIS COMMUN nsions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this come period for reply specified above is less than thirty (5 period for reply is specified above, the maximum si tre to reply within the set or extended period for reply reply received by the Office later than three months ed patent term adjustment. See 37 CFR 1.704(b).	ICATION. s of 37 CFR 1.136(a). In no e munication. 30) days, a reply within the sta tatutory period will apply and s y will, by statute, cause the ap	event, however, may a reply be atutory minimum of thirty (30) will expire SIX (6) MONTHS for polication to become ABANDO	e timely filed days will be considered timely. rom the mailing date of this cor DNED (35 U.S.C. § 133).	nmunication.			
Status								
1)	Responsive to communication(s) file	ed on						
2a)□	This action is FINAL . 2b)⊠ This action is non-final.							
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	ion of Claims							
5)□ 6)⊠ 7)□	Claim(s) 1-6 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) 1-6 is/are rejected. Claim(s) is/are objected to. Claim(s) is/are subject to restriction and/or election requirement.							
Applicat	ion Papers							
•	The specification is objected to by the The drawing(s) filed on is/are Applicant may not request that any objections.	: a)☐ accepted or b						
11)	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority (under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
A 44 - •								
Attachmer	et(s) References Cited (PTO-892)		4) Interview Summ	nan/ (PTO-413)				
2) D Notic	e of Draftsperson's Patent Drawing Review (I		Paper No(s)/Ma	il Date				
	mation Disclosure Statement(s) (PTO-1449 or er No(s)/Mail Date	r PTO/SB/08)	5) Notice of Inform 6) Other:	al Patent Application (PTO-	-152)			

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DETAILED ACTION

Specification

The specification has been checked to the extent necessary to determine the presence of

all possible minor errors. However, the applicant's cooperation is requested in correcting any

errors of which applicant may become aware in the specification.

Claim Rejections

Claim Rejections - 35 USC § 112

Claims 1-6 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to

particularly point out and distinctly claim the subject matter which applicant regards as the

invention. Correction or clarification is required.

In claim 1, the description of the present invention is incomplete because the claimed

filter does not have an input/output. Thus, the claimed filter may not perform the recited

function. Also, it is unclear how the transistors can operate as a large resistance resistor since this

limitation is not clearly defined.

In claim 4, the recitation "can" on line 4 is indefinite because it does not positively recite

the claimed invention.

The remaining claims are dependent from the above claims and therefore also considered

indefinite.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on

sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3 are rejected under 35 USC 102 (b) as being anticipated by Song et al (US

6,091,289).

Song et al discloses in Figures 1 and 5 a filter circuit comprising:

- a capacitor (C21);

- a first N-type transistor (Q21) having a first terminal connected to a first voltage source

(Vdd) and a second terminal connected to the capacitor (C21;

- a second P-type transistor (Q22) having a first terminal connected to the second terminal

of the first transistor and a second terminal connected to ground;

- a second voltage source (100B); and

- wherein the first transistor and the second transistor are for operating as a large-

resistance resistor.

Allowable Subject Matter

Claims 4-6 would be allowable if rewritten to overcome the rejection(s)

under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the

limitations of the base claim and any intervening claims.

The claims are allowable because the prior art of record does not show the connections of

the third and fourth transistors as claimed.

Conclusion

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to DINH T. LE whose telephone number is (571) 272-1745. The examiner can normally be reached on Monday-Friday (8AM-7PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TIMOTHY CALLAHAN can be reached at (571) 272-1740.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DINH LE

Primary Examiner

Varlall

May 5, 2004